

Patent Abstracts of Japan

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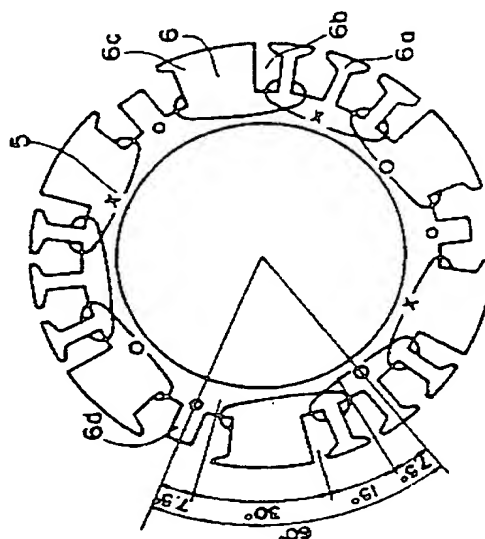
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TITLE : BRUSHLESS DC MOTOR



ABSTRACT : PURPOSE: To reduce iron loss and no-load current and to improve the efficiency by forming pairs of wide tooth sections having no slot in the circumferential direction in a stator core having a plurality of slots in the circumferential direction.

CONSTITUTION: Three pairs of wide tooth sections 6c are formed with 120° interval and three teeth 6a are formed between adjoining pairs. Protrusions 6d are formed through gaps between the pair of teeth 6c. Since the wide tooth sections 6c are formed and no slot is made at the portion applied with no stator coil, flux density lowers at the tooth section 6c thus reducing iron loss and cogging torque.

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